

Special Issue

RNA Biology and mRNA in Diseases

Message from the Guest Editor

This Special Issue aims to gather pioneering research on the mechanisms of RNA regulation and the innovative applications of mRNA therapeutics in disease management. We encourage submissions that investigate the synthesis, transportation, modification, translation, and decoy degradation of RNA and explore the design, synthesis, and delivery of mRNA-based vaccines and drugs, as well as their applications in treating diseases such as cancer, infectious diseases, and genetic disorders. We are particularly interested in studies that demonstrate the novel approach to enhance the efficacy of mRNA-based therapeutics in animal or laboratory settings, including those reporting on gene expression, immune responses, and therapeutic outcomes. We invite original research articles and comprehensive reviews that focus on, but are not limited to, stress granules, RNA fate, RNA-based vaccines, targeted mRNA delivery systems, and the latest advancements in RNA technology, such as CRISPR/Cas13, RNA labels, and biosensors.

Guest Editor

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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